

**DEPARTMENT OF ENERGY  
DEPARTMENT OF ENERGY FIELD OFFICE, OAK RIDGE  
LABOR STANDARDS COMMITTEE CASE REPORT**

IDENTIFICATION No. 01-25 (Work Order, Etc.)	LABOR STANDARDS CASE No. 01-0173
DATE 06/05/01	DATE REVIEWED 06/14/01
CONTRACTOR/LOCATION BJC/ORNL	PREVIOUS CASE
SUBJECT: 3019B - LABORATORY OFF- GAS DUCTWORK SAMPLING/CHARACTERIZATION PROJECT, \$1,122,300.00	

1. Davis-Bacon Act not applicable to participation by \_\_\_\_\_

The work or service is essentially:

- A. ☐ Estimated to cost \$2,000 or less [970.2273(a)(1)]
- B. ☒ Operational and maintenance activities or very closely and directly involved therewith [970.2273(a)(2)] *(Item 1)*
- C. ☐ Of a routine or recurring nature to preserve usefulness.
- D. ☐ Assembly, modification, installation, replacement, rearrangement, connection, etc., of machinery and equipment [970.2273(a)(3)]
- E. ☐ Experimental development of equipment processes and devices, including installation [970.2273(c)]
- F. ☐ Experimental work - Peaceful uses [970.2273(a)(3)]
- G. ☐ Emergency work - Fire, Flood, etc., and to restart operations [970.2273(a)(6)]
- H. ☐ Decontamination [970.2273(a)(7)]
- I. ☐ Demolition
- J. ☐ Burial of Contaminated Material [970.2273(a)(8)]
- K. ☐ Engineering
- L. ☐ Procurement
- M. ☐ Other \_\_\_\_\_

2. A. ☐ The Committee recommends that the Manager, DOE Field Office, Oak Ridge, determine that \_\_\_\_\_ participation includes work and service which involve material risk to continuity of operations, to life or property, or to DOE operating requirements [970.2273(a)(2)]

B. ☐ The Manager, DOE Field Office, OR, hereby determines that participation does not include work and services which involve material risk to continuity of operations to life or property, or to DOE operating requirements.

\_\_\_\_\_  
Manager

\_\_\_\_\_  
Date

3.1 Davis-Bacon Act not applicable to contract with \_\_\_\_\_

The contract is essentially with or for:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>A. <input type="checkbox"/> \$2,500 or less</li> <li>B. <input type="checkbox"/> Supplies and Equipment</li> <li>C. <input checked="" type="checkbox"/> Servicing or maintenance [970.2210] <i>(Item 4)</i></li> <li>D. <input type="checkbox"/> Performance outside USA</li> </ul> | <ul style="list-style-type: none"> <li>E. <input type="checkbox"/> Decontamination</li> <li>F. <input type="checkbox"/> Demolition</li> <li>G. <input type="checkbox"/> State or political subdivision</li> <li>H. <input type="checkbox"/> Railroad and RR employees</li> <li>I. <input checked="" type="checkbox"/> Other <i>Professional Services (Items 2, 3, + 5)</i></li> </ul> |
|--|---|

3.2 Work determined to be non- construction, as indicated below; however, pursuant to Section 1804 of the National Energy Policy Act of 1992 (PL 102-486) the DBA will apply \_\_\_\_\_

The contract is essentially with or for:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>A. <input type="checkbox"/> \$2,500 or less</li> <li>B. <input type="checkbox"/> Supplies and Equipment</li> <li>C. <input type="checkbox"/> Servicing or maintenance [970.2210]</li> <li>D. <input type="checkbox"/> Performance outside USA</li> </ul> | <ul style="list-style-type: none"> <li>E. <input type="checkbox"/> Decontamination</li> <li>F. <input type="checkbox"/> Demolition</li> <li>G. <input type="checkbox"/> State or political subdivision</li> <li>H. <input type="checkbox"/> Railroad and RR employees</li> <li>I. <input type="checkbox"/> Other</li> </ul> |
|---|---|

4. Davis-Bacon Act applicable to contract with \_\_\_\_\_

The activity is essentially:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>A. <input type="checkbox"/> Construction, alteration, repair, including painting over \$2,000.</li> <li>B. <input type="checkbox"/> Installation involving substantial construction. D. <input type="checkbox"/> Other</li> </ul> | <ul style="list-style-type: none"> <li>C. <input type="checkbox"/> Demolition when indispensable and preliminary to scheduled new construction.</li> </ul> |
|--|--|

5. Other \_\_\_\_\_

\*Reference numbers in parenthesis denote subparts under Part 970 of DOE Acquisition Regulations.



# Labor Standards Determination

**Title:**  
3019B - Laboratory Off-Gas Ductwork Sampling/Characterization Project

**Project:**  
ORNL Projects

**Location:**  
ORNL

**Area Manager:**  
Peter C. Caswell

**Project Manager:**  
Bratati M. Lynn

**Procurement Representative:**  
David J. DuRegger

**BJC Control: No.:**  
BJC-ORNL-01-25

**Date:**  
6/5/01

**Phone Number:**  
576-5224; Pager: 873-4318

**Phone Number:**  
241-1346

**Phone Number:**  
241-3912

**D&D Fund Project:** ☐ Yes ☒ No  
[Section 1804 of Title IX of the Energy Policy Act of 1992 (PL 102-486)]

## Project Scope:

(NOTE: Show breakdown of major work scope activities)

Building 3019B is a small inactive analytical facility with seven hot cells and a storage cell. The laboratory off-gas (LOG) system provides ventilation to the cells in Building 3019B. The ductwork related to the LOG system in Building 3019B is believed to contain perchlorates (shock-sensitive) and fissile (U-235) material. Characterization is required to bound the consequences of a perchlorate explosion and evaluate the criticality potential from the LOG ducts in Building 3019B. Both non-intrusive measurements and intrusive sampling techniques may be used to characterize the LOG ducts. Major scope elements include the following:

1. De-energize monorail (crane) in Building 3019B charging area.
2. Prepare Work Planning documents and Design tools and/or robotic equipment  
Develop project planning documents including a detailed work plan, sampling and analysis plan, procedures, etc. as required. Design tools and equipment to be used to collect data and/or samples.
3. Collect Characterization Data
  - Procure tools and equipment to be used in characterization.
  - Mobilize trained personnel and equipment to the Building 3019B site.
  - Collect non-intrusive measurements from the ductwork.
  - Collect samples of the deposits in the main plenum.
4. Analysis and Validation  
Analyze collected samples in an appropriate laboratory facility and validate and manage data.
5. Prepare a duct characterization report  
Interpret the collected data and submit a report providing the following information: results of any non-intrusive measurements collected; analytical results of samples—chemical, and radiological, density; locations where samples and measurements were obtained; total inventories of materials; estimated volume of deposits in the ductwork; criticality calculations; and explosion potential.

## Analysis of Labor Standards Supporting Proposed Method:

(NOTE: Show breakdown to coincide with major work scope activities above)

1. This activity has traditionally and routinely been performed by the industrial union (ATLC) as non-covered work.
2. & 5. Development of project plans and preparing a duct characterization report are considered Professional Services not subject to a labor determination.
3. The collection of data for duct characterization is non-traditional/non-routine, non-covered work.
4. Laboratory analysis is considered Technical Services not subject to a Labor determination.

## Proposed Method of Accomplishment:

(NOTE: Show breakdown to coincide with major work scope activities above)

1. This work will be awarded as a task order release to the Surveillance and Maintenance subcontractor and the work performed by the industrial union (ATLC).
- 2., 3., & 5. Scope will be performed by a competitively awarded subcontractor procured by BJC. BJC will manage the subcontract.
4. Scope will be performed by a sample management organization using an approved laboratory and associated staff.